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Sequence Listing could not be accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=8; day=20; hr=15; min=3; sec=27; ms=320;]

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Reviewer Comments:

<210> 15

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<220>

<221> misc_feature

<222> 4

<223> N = tetrafluoroindole

<400> 15

ctgntagcct ctggatttga

20

FYI: "n" can only represent a single nucleotide, nothing else. This
use of "n" also appears in subsequent sequences.

Application No: 10592919 Version No: 2.0

Input Set:**Output Set:**

Started: 2008-08-20 13:19:57.478
Finished: 2008-08-20 13:19:59.363
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 885 ms
Total Warnings: 47
Total Errors: 0
No. of SeqIDs Defined: 48
Actual SeqID Count: 48

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 251	Found intentionally skipped sequence in SEQID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
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W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)

Input Set:

Output Set:

Started: 2008-08-20 13:19:57.478
Finished: 2008-08-20 13:19:59.363
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 885 ms
Total Warnings: 47
Total Errors: 0
No. of SeqIDs Defined: 48
Actual SeqID Count: 48

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (22) This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Michael, T. Migawa
Walter F. Lima
Eric E. Swayze
Joshua Nichols
Hongjiang Wu
Thazha P. Prakash
Tadeusz Krzysztof Wyrzykiewicz
Balkrishen Bhat
Stanley T. Crooke

<120> COMPOSITIONS AND METHODS FOR OPTIMIZING
CLEAVAGE OF RNA BY RNASE H

<130> CORE0037USA

<140> 10592919
<141> 2008-08-20

<150> PCT/US2005/008428
<151> 2005-03-15

<150> 60/609,516
<151> 2004-09-13

<150> 60/567,016
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<220>
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<210> 3
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cttgacaaag caaacaaga caaggccaac cgatacttct ctccaaattt taaggtgaaa 1980
ctatacttta caaaaacagt agaggagcca tcaaattccag aggctagcag ttcaacttct 2040
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<210> 7
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12

<210> 11

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<210> 12

<211> 19

<212> RNA

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cgagaggcgg acgggaccg

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<222> 1-19

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cgagaggcgg acgggaccgt t

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<210> 14

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<223> Synthetic oligonucleotide

<220>

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16, 18, 19

<223> Bases at these positions are RNA

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<223> N = tetrafluoroindole

<400> 19

ctgctagnct ctggatttga

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 2'-fluorothymidine or 2-thiouridine or
 2'-S-methylthymidine or 4'-methylthymidine or
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 2'-fluorothymidine or 2-thiouridine or
 2'-S-methylthymidine or 4'-methylthymidine or
 3'-methylthymidine

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 <210> 31
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 <223> 2'-ara-fluorothymidine or pseudouridine or
 2'-fluorothymidine or 2-thiouridine or
 2'-S-methylthymidine or 4'-methylthymidine or
 3'-methylthymidine or abasic nucleotide or 2,4-F-tolyl

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 2,4-F-tolyl

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 <210> 33
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 <210> 34
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 linker or adenine with pentyl linker or
 tetrahydrofuran or 4-Me-ben

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 ctacgctttc cncgcacagt 20

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